

Product datasheet for **SC126102**

Thymosin beta 10 (TMSB10) (BC016731) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Thymosin beta 10 (TMSB10) (BC016731) Human Untagged Clone
Tag:	Tag Free
Symbol:	Thymosin beta 10
Synonyms:	MIG12; TB10
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC016731 edited

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GGGGGTTTCTTGCTGCAGCAACGCGAGTGGGAGCACCAGGATCTCGGGCTCGGAACGAGA  
CTGCACGGATTGTTTTAAGAAAATGGCAGACAAACCAGACATGGGGGAAATCGCCAGCTT  
CGATAAGGCCAAGCTGAAGAAAACGGAGACGCAGGAGAAGAACCCTGCCGACCAAAGA  
GACCATTGAGCAGGAGAAGCGGAGTAAAATTTCTAAGATCCTGGAGGATTTCTACCCC  
CGTCTCTTCGAGACCCAGTCGTGATGTGGAGGAAGAGCCACCTGCAAGATGGACACGA  
GCCACAAGCTGCACTGTGAACCTGGGCACTCCGCGCCGATGCCACCGGCCTGTGGGTCTC  
TGAAGGGACCCCCCAATCGGACTGCCAAATTCTCCGGTTTGGCCCGGGATATTATAG  
AAAATTTTGTATGAATAATGAAAATAAACACACCTCGTGGCAAAAAGAAAAAAAAAA  
AAAAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC016731 unedited GGGTTACATTTTGTATACGACTCACTATAGGCGGCGCGGAATTCGCCATTACGGCCGG GGGTTTCTTGCTGCAGCAACGCGAGTGGGAGCACCAGGATCTCGGGCTCGGAACGAGACT GCACGGATTGTTTTAAGAAAAATGGCAGACAAACCAGACATGGGGGAAATCGCCAGCTTCG AT AAGGCCAAGCTGAAGAAAACGGAGACGCAGGAGAAGAACACCCTGCCGACCAAAGAGA CCATTGAGCAGGAGAAGCGGAGTGAAATTTCTAAGATCCTGGAGGATTTCTACCCCGC TCCTCTTCGAGACCCAGTCGTGATGTGGAGGAAGAGCCACCTGCAAGATGGACACGAGC CACAAAGCTGCACTGTGAACCTGGGCACTCCGCGCCGATGCCACCGCCTGTGGGTCTCTG AAGGGACCCCCCAATCGGACTGCCAAATTCTCCGTTTTGCCCGGGATATTATAGAA AATTATTTGTATGAATAATGAAAATAAACACACCTCGTGGCANANNGGANAAAAA NAAAAAAAAAAAAAAAAACCATGTCGGCCGCTCGGCCCTCGACTCTAGATTGCGGCCGC GGTCATAGCTGTTTCTGAACAGATCCCGGGTGGCATCCCTGTGACCCCTCCCCAGTGCC TCTCTGGCCCTGGGAGTGCCACTCCAGTGCCACCGCCTTGGGTAATAAAAATAAGTTG CATCATTTTGTCTGACTAGGTGCTCTTCTATATATTATGGGGTGAGGGGGTGGGTATTN GANCAAGGGGCAATTTGGGAAAACACTGGGGGGCCTGCGGGTCTTTTGGGGACCAGCT GGAGTGATGGGCAATCTGGGTTTCATGGAATTCGCGCCTCTGGGGTACGCGATTTCTCT GCTCGACCTCCGATGGTGGGG
Restriction Sites:	Please inquire
ACCN:	BC016731
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	BC016731.1 , AAH16731.1
RefSeq Size:	500 bp
Locus ID:	9168
Cytogenetics:	2p11.2
Gene Summary:	Plays an important role in the organization of the cytoskeleton. Binds to and sequesters actin monomers (G actin) and therefore inhibits actin polymerization (By similarity). [UniProtKB/Swiss-Prot Function]